Pradip K Maurya

List of Publications by Year
in descending order

24	408	840776 11	752698 20
papers	citations	h-index	g-index

24	24	24	360
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Neural Network-Based Hybrid Framework for Least-Squares Inversion of Transient Electromagnetic Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	12
2	Rapid Mapping of Hydrological Systems in Tanzania Using a Towed Transient Electromagnetic System. Ground Water, 2022, 60, 35-46.	1.3	7
3	Heterodox transients in time-domain-induced polarization. Geophysics, 2022, 87, E35-E47.	2.6	2
4	Integrating neural networks in least-squares inversion of airborne time-domain electromagnetic data. Geophysics, 2022, 87, E177-E187.	2.6	2
5	Inversion of induced polarization-affected towed-transient electromagnetic data in a lateritic regolith geology: A case study from western Tanzania. Geophysics, 2022, 87, B247-B254.	2.6	3
6	Technical note: Efficient imaging of hydrological units below lakes and fjords with a floating, transient electromagneticÂ(FloaTEM) system. Hydrology and Earth System Sciences, 2022, 26, 2813-2827.	4.9	2
7	Machine learning based fast forward modelling of ground-based time-domain electromagnetic data. Journal of Applied Geophysics, 2021, 187, 104290.	2.1	18
8	tTEM20AAR: a benchmark geophysical data set for unconsolidated fluvioglacial sediments. Earth System Science Data, 2021, 13, 2743-2752.	9.9	5
9	Assessment of complex subsurface redox structures for sustainable development of agriculture and the environment. Environmental Research Letters, 2021, 16, 025007.	5.2	15
10	Effect of Data Pre-Processing on the Performance of Neural Networks for 1-D Transient Electromagnetic Forward Modeling. IEEE Access, 2021, 9, 34635-34646.	4.2	10
11	High resolution 3D subsurface mapping using a towed transient electromagnetic system â€•tTEM: case studies. Near Surface Geophysics, 2020, 18, 249-259.	1.2	16
12	Characterizing the diverse hydrogeology underlying rivers and estuaries using new floating transient electromagnetic methodology. Science of the Total Environment, 2020, 740, 140074.	8.0	18
13	Cross-borehole tomography with full-decay spectral time-domain induced polarization for mapping of potential contaminant flow-paths. Journal of Contaminant Hydrology, 2019, 226, 103523.	3.3	10
14	Two-dimensional inversion of wideband spectral data from the capacitively coupled resistivity method â€“ first applications in periglacial environments. Cryosphere, 2019, 13, 2439-2456.	3.9	8
15	3D characterization of the subsurface redox architecture in complex geological settings. Science of the Total Environment, 2019, 693, 133583.	8.0	20
16	Effect of current pulse duration in recovering quantitative induced polarization models from time-domain full-response and integral chargeability data. Geophysical Journal International, 2019, 218, 1739-1747.	2.4	7
17	Electrical resistivity tomography and time-domain induced polarization field investigations of geothermal areas at Krafla, Iceland: comparison to borehole and laboratory frequency-domain electrical observations. Geophysical Journal International, 2019, 218, 1469-1489.	2.4	32
18	tTEM â€” A towed transient electromagnetic system for detailed 3D imaging of the top 70Âm of the subsurface. Geophysics, 2019, 84, E13-E22.	2.6	68

#	Article	IF	Citations
19	Large Scale Mapping of Fractures and Groundwater Pathways in Crystalline Hardrock By AEM. Scientific Reports, 2019, 9, 398.	3.3	52
20	Permeability Estimation Directly From Loggingâ€Whileâ€Drilling Induced Polarization Data. Water Resources Research, 2018, 54, 2851-2870.	4.2	16
21	Subsurface imaging of water electrical conductivity, hydraulic permeability and lithology at contaminated sites by induced polarization. Geophysical Journal International, 2018, 213, 770-785.	2.4	47
22	Geophysicsâ€Based Contaminant Mass Discharge Quantification Downgradient of a Landfill and a Former Pharmaceutical Factory. Water Resources Research, 2018, 54, 5436-5456.	4.2	12
23	Field-scale comparison of frequency- and time-domain spectral induced polarization. Geophysical Journal International, 2018, 214, 1441-1466.	2.4	21
24	Three-dimensional time lapse inversion of transient electromagnetic data, with application at an Icelandic geothermal site. Geophysical Journal International, 0, , .	2.4	5